

CONFIDENTIAL

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	320	\sim
P ()	RM	.5

AMENDED REPORT (highlight changes)

	j	APPLICAT	ION FOR F	PERMIT TO	DRILL			5. MINERAL I		6. SURFACE:
1A. TYPE OF WO	1A. TYPE OF WORK: DRILL Z REENTER DEEPEN 7. IF INDIAN, ALLOTTEE OR TRIBE NAME:					TRIBE NAME:				
B. TYPE OF WE	ill: OIL 🗌	GAS 🗾	THER	SING	GLE ZONE [MULTIPLE ZON	E 🗾	8. UNIT or CA	AGREEMENT	IAME:
	on Explorati	ion Company							NE and NUMBER	
3. ADDRESS OF 1100 Louis		0(_{city} Housto	n eran	_₹ TX _{Zip} 770	002	PHONE NUMBER: (713) 830-6800		10. FIELD AN	D POOL, OR WI	LDCAT;
	WELL (FOOTAGE		Q			1 '		11. QTR/QTR	, SECTION, TOV	VNSHIP, RANGE,
	4. LOCATION OF WELL (FOOTAGES) 5. LOCATION OF WELL (FOOTAGES) 6. LOCATION OF WELL (FOOTAGES)						3 24E			
14. DISTANCE IN	MILES AND DIRE	ECTION FROM NEAR	EST TOWN OR POS	T OFFICE:				12. COUNTY:	:	13. STATE:
	s south of \	•						Uintah		UTAH
15. DISTANCE T	O NEAREST PRO	PERTY OR LEASE LI	NE (FEET)	16, NUMBER OF	FACRES IN LEA		17. N	UMBER OF AC	RES ASSIGNED	
-	O NEAREST WELI	L (DRILLING, COMPL	FTFD OR	19. PROPOSED	DEDTU:	466.92	20.5	CHE PERCEN		40
APPLIED FO 1,100'	R) ON THIS LEASE	(FEET)		IS. PROPOSED	DEFIN.	6,230	l	ond descrip)4155044	HON:	
	S (SHOW WHETHE	R DF, RT, GR, ETC.);	22. APPROXIMA	ATE DATE WOR	K WILL START:		STIMATED DUF	RATION:	
5,537' GF	₹			7/6/2005	5		30	Days		
24.			PPOPOS	ED CASING A	ND CEMEN	ITING PROGRAM	<u> </u>			
SIZE OF HOLE	CASING SIZE.	GRADE, AND WEIG		SETTING DEPTH	AD CEME		A NITITY	VIELD AND O		
11"	8 5/8"	J-55	36#	······································	PRIMIUN	CEMENT TYPE, QU) SKS	3.38 CF	
			0011	2,000	CLASS "	·····				
					 			SKS	1.2 CF	
7 7/8"	4 1/2"	N-80	11.6#	9 165	Calcium			SKS	1.10 CF	
, , ,	7 1/2	14-00	11.0#	0,100	PRIMIUN	// LITE II	200	SKS	3.3 CF	14.3 PPG
							· · · · · · · · · · · · · · · · · · ·			
	-									
	1						-		· · · · · · · · · · · · · · · · · · ·	
25.				ATTA	CHMENTS					
VERIFY THE FO	LLOWING ARE AT	TACHED IN ACCOR	DANCE WITH THE U	TAH OIL AND GAS O	ONSERVATION	GENERAL RULES:				
WELL P	LAT OR MAP PRE	PARED BY LICENSE	SURVEYOR OR EN	IGINEER	Z 0	OMPLETE DRILLING PLAN				
✓ EVIDEN	CE OF DIVISION C	OF WATER RIGHTS A	PPROVAL FOR USE	OF WATER	☐ F	ORM 5, IF OPERATOR IS PE	ERSON (OR COMPANY	OTHER THAN TI	HE LEASE OWNER
			 							
	Willar	n A Ryan				Anont				
NAME (PLEASE	NAME (PLEASE PRINT) Willam A. Ryan TITLE Agent					***				
SIGNATURE WILLIAM DATE 6/6/2005										
(This space for State use only) Approved by the Utah Division of										
	11.	7 0.15 75	<i>(</i>		as and f			RECE	111 -	
API NUMBER AS	SSIGNED:	3-047-37	·		APPROV			RECE SEP 26	IVED	
				Date:	702	LY KIT		SEP 2 6	2005	
(11/2001)				(See the trustic	on Reverse		DIV. O	FOIL DA	3 & MINING	
						11		- re, U.M.S	» & MINING	

T11S, R24E, S.L.B.&M. 3 Large Stones, Pile of Stones. N89°52'47"W - 5286.43' (Meas.) 5/8" Rebar Set Stone LOT 2 LOT 1 *M.,05,60.00*N 16 Set Marked Stone. Set Stone Pile of Stones 2633.1 100°03'14"W ASPHALT WASH #15-16-11-24 2089' Elev. Ungraded Ground = 5534' Set Stone. Set Marked Stone. Pile of Stones Set Marked Stone N89°58'28"W - 2636.00' (Meas.) S89'49'57"W - 2652.49' (Meas.) BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)

LEGEND:

= 90° SYMBOL

PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

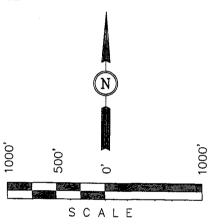
LATITUDE = 39*51'22.94" (39.856372) LONGITUDE = 109'14'01.89'' (109.233858) (AUTONOMOUS NAD 27) LATITUDE = 39.51.23.06" (39.856406) LONGITUDE = $109^{\circ}13'59.47''$ (109.233186)

THE HOUSTON EXPLORATION COMPANY

Well location, ASPHALT WASH #15-16-11-24, located as shown in the SW 1/4 SE 1/4 of Section 16, T11S, R24E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (87EAM) IN THE SE 1/4 SW 1/4 OF SECTION 1, T12S, R23E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5887 FEFT.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MALE OF ME TO THE SUPERVISION AND THAT THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE SAME THE TOTAL OF THE PEST OF MY KNOW FORF AND THE PEST O BEST OF MY KNOWLEDGE AND

UINTAH ENGINEERING 85 SOUTH 200 EAST VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-05-05	DATE DRAWN: 05-10-05
PARTY N.H. A.S. P.M.	REFERENCES	
WEATHER FINE	G.L.O. PLA	

COOL

THE HOUSTON EXPLORATION COMPANY

Ten Point Plan

The Houston Exploration Company

Asphalt Wash 15-16-11-24

Surface Location SW ¼ SE ¼, Section 16, T. 11S., R. 24E.

1. Surface Formation

Green River

2. Estimated Formation Tops and Datum:

Formation	Depth	Datum
Green River	Surface	+5,537' G.L.
Uteland Butte Limestone	2,342	+3,195'
Wasatch	2,432	+3,105'
Mesaverda	4,232	+1,305'
Buck Tounge	6,162	-625'
Castlegate	6,247	-710'
TD	6,230	-693'

A 11" hole will be drilled to 2,000' +/-. The hole depth will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

3. Producing Formation Depth:

Formation objective includes the Green River, Wasatch, Mesaverde and its submembers.

Off Set Well information

Permitted/Drilled:

Asphalt Wash #14-16-11-24 Asphalt Wash #12-16-11-24 Asphalt Wash #8-16-11-24 Asphalt Wash #7-16-11-24 Asphalt Wash #4-16-11-24 Asphalt Wash #3-16-11-24

4. Proposed Casing:

Hole	Casing			Coupling	Casing	
<u>Size</u>	<u>Size</u>	Weight/FT	<u>Grade</u>	& Tread	Depth	New/Used
11	8 5/8	36#	J-55	STC	2000	NEW
7 7/8	4 ½	11.6#	N-80	LTC	T.D.	NEW

Cement Program:

The Surface Casing will be cemented to the Surface as follows:

Lead:	Casing <u>Size</u>	Cement Type	Cement Amounts	Cement <u>Yield</u>	Cement Weight
	8 5/8	Premium Lite II .05#/sk Static Free .25#/sk Cello Flake 5#/sk KOL Seal .002 gps FP-6L 10% Bentonite .5% Sodium Metasili 3% Potassium Chlori		3.38ft³/sk	11.0 ppg
Tail:					
	8 5/8	Class "G" 2% Calcium Chlorid .25#/sk Cello Flake	329 sks. +/- e	1.2ft³/sk	15.6 ppg
Top Jo	b:				
	8 5/8	4% Calcium Chloride .25#/sk Cello Flake	e 200 sks. +/	′-1.10ft³/sk	15.6 ppg

Production casing will be cemented to 2,500' or higher as follows:

	Casing <u>Size</u>	Cement Type	Cement Amounts	Cement <u>Yield</u>	Cement Weight
Lead:					
	4 1/2	Premium Lite II .25#/sk Cello Flake .05#/sk Static Free 5#/sk Kol Seal 3% Potassium Chlor .055 gps FP-6L 10% Bentonite .5 Sodium Metasilic		3.3ft³/sk	11.0 ppg
Tail:					
	4 1/2	Class "G" .05% Static Free 2 Sodium Chloride .1% R-3 2% Bentonite	400 sks +/-	1.56ft ³ /sk	14.3 ppg

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

6. Mud Program:

Interval	Mud weight lbs./gal.	Viscosity Sec./OT.	Fluid Loss MI/30 Mins.	Mud Type
0-2000 2000-T.D.	Air/Clear Water 8.4-12.0	30	No Control 8-10	Water/Gel Water/Gel

7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 1/2" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

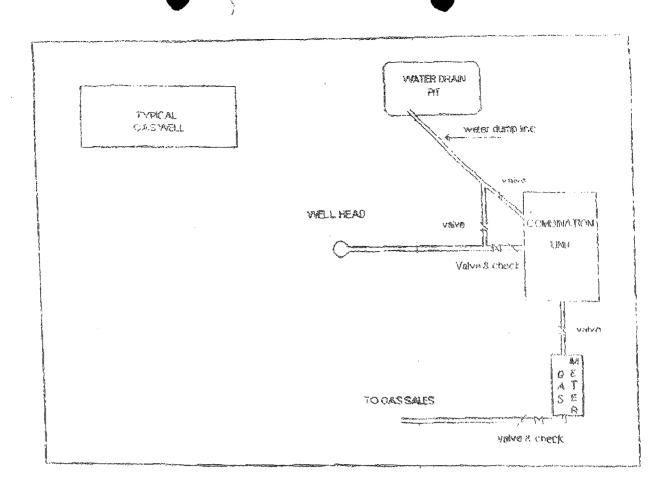
a)	Test:	None are anticipated.		
b)	Coring:	There is the possibility of sidewall coring.		
c)	Sampling:	Every 10' from 2000' to T.I).	
d)	Logging:	Type DLL/SFL W/GR and SP FDC/CNL W/GR and CAL	Interval T.D. to Surf. Csg T.D. to Surf. Csg	

9. Abnormalities (including sour gas):

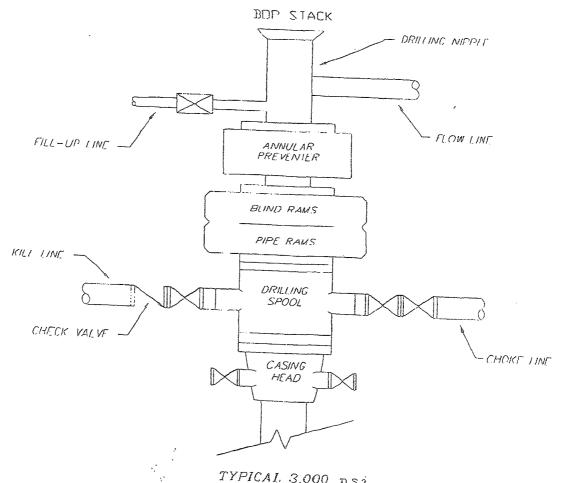
No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H2S.

10. Drilling Schedule:

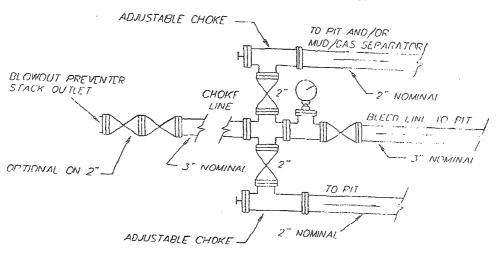
The anticipated starting date is _______. Duration of operations is expected to be 30 days.



TYPICAL 3.000 p.s.i. BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3.000 p.s.i. CHOKE MANIFOLD SCHEMATIC



THE HOUSTON EXPLORATION COMPANY 13 POINT SURFACE USE PLAN FOR WELL

ASPHALT WASH 15-16-11-24

LOCATED IN SW 1/4 SE 1/4

SECTION 16, T. 11S, R24E, S.L.B.&M.

UINTAH COUNTY, UTAH

LEASE NUMBER: ML-47080

SURFACE OWNERSHIP: STATE

1. Existing Roads:

To reach The Houston Exploration Co well Asphalt Wash #15-16-11-24 in Section 16, T11S, R 24E, Starting in Vernal, Utah.

Proceed in an easterly, then southerly direction from Vernal, Utah along U.S. Highway 40 approximately 3.9 miles to the junction of State Highway 45; exit right and proceed in a southerly direction approximately 41.5 miles on paved State Highway 45 to the junction of this road and gravel State Highway 45 to the southeast; turn left and proceed in a southeasterly direction approximately 3.8 miles to the junction of this road and State Highway 207 to the southwest: turn right and proceed in a southwesterly direction approximately 8.4 miles to the junction of this road and an existing road to the southwest: proceed in a southwesterly direction approximately 7.8 miles to the junction of this road and an existing road to the northwest; turn right and proceed in a northwesterly direction approximately 0.5 miles to the junction of this road and an existing road to the north; turn right and proceed in a northerly, then northeasterly direction approximately 5.4 miles to the junction of this road and an existing road to the north; proceed in a northerly direction approximately 1.2 miles to the junction of this road and an existing road to the southeast; turn right and proceed in a southeasterly direction approximately 2.0 miles to the beginning of the proposed access to the south; follow road flags in a southerly, then southeasterly direction approximately 1.1 miles to the proposed location.

Total distance from Vernal, Utah to the proposed well location is approximately 75.6 miles.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 5,808' +/- of new construction on lease. The road will be graded once per year minimum and maintained.

AX A	
A) Approximate length	5808 ft
B) Right of Way width	30 ft
C) Running surface	18 ft
D) Surface material Na	tive soil
E) Maximum grade	5%
F) Fence crossing	None
G) Culvert	None
H) Turnouts	None
I) Major cuts and fills	None
J) Road Flagged	Yes
K) Access road surface of	ownership
	State
L) All new construction	on lease

M) Pipe line crossing Yes
None

Please see the attached location plat for additional details.

An off lease right-of-way will not be required.

All surface disturbances for the road and location will be within the lease boundary.

3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

A) Producing well	None				
B) Water well	None				
C) Abandoned well	None				
D) Temp. abandoned well	None				
E) Disposal well	None				
F) Drilling /Permitted well					
Asphalt Wash 3-16-11-24					
Asphalt Wash 4-16-11-24					
Asphalt Wash 8-16-11-24					
Asphalt Wash 12-16-11-24					
Asphalt Wash 7-16-11-24					
Asphalt Wash 14-16-112	4				
G) Shut in wells	None				
H) Injection well	None				
I) Monitoring or observation	well				
	None				

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a Carlsbad Canyon color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Carlsbad Canyon.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval form the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Approximately 5,611' of 3"steel pipeline would be constructed on State Lands. The pipeline will tie into the existing pipeline in Section 16, T11S, R24E. The pipeline will be strung and boomed to the north of the location and the east side of the access road. The pipeline will be buried as determined by the Authorized Officer.

An off lease right-of-way will not be required.

Please see the attached location diagrams for pipeline location.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter.

Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meterproving schedules. A copy of the meter calibration report will be submitted to the BLM's Vernal District office and State of Utah. Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing will come from the White River at Asphalt Wash in Section 24, T10S, R23E, Permit # T-75514.

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel

or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately 12 ft. deep and most of the depth shall be below the surface of the existing ground Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer. Evaporation may be used instead of trucking to facilitate closing and reclamation of the reserve pit. A pumping system would be used for evaporation.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

345 ft
245 ft
12 ft
150 ft
75 ft
44.1 ft
28.4 ft
36,820 cu yds
east side
on west end
cation
south end
corner C

Please see the attached location

diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at leas 42 inches.
- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately **2,710** cubic yards of material. Topsoil will be stockpiled in one distinct pile. Placement of the

topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be recontoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from

seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix

To be determined by the Authorized Officer.

11. Surface ownership:

Access road State
Location State
Pipe line State

12. Other information:

A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of non-native species. Rabbit brush, bitter brush, and Indian Rice grass and Sagebrush are also found on the location.

B) Dwellings:

There are no dwelling or other facilities within a one-mile radius of the location.

C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites, will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

The nearest water is the White River located 6 miles to the North.

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

a) Location Construction
At least forty eight (48)
hours prior to
construction of location
and access roads.

- b) Location completion Prior to moving on the drilling rig.
- c) Spud notice At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing
 At least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in **corner C** of the reserve pit out side the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessees or Operator's representative and certification

A) Representative

William A. Ryan Rocky Mountain Consulting 290 S 800 E Vernal, UT 84078

Office Fax

435-789-0968

435-789-0970

Cellular

435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

This drilling permit will be valid for a period of one year from the date of approval.

After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true

and correct, and that the work associated with the operation proposed herein will be preformed by The Houston Exploration Company and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date 7/20/0

William A. Ryan, Agent Rocky Mountain Consulting

Onsite Dates:

Statement of use of Hazardous Materials

No chemical(s) from the EPA's consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan Agent for The Houston Exploration Company Rocky Mountain Consulting 290 S 800 E Vernal, UT 84078

435-789-0968 Office 435-828-0968 Cell 435-789-0970 Fax

THE HOUSTON EXPLORATION COMPANY

ASPHALT WASH #15-16-11-24

LOCATED IN UINTAH COUNTY, UTAH SECTION 16, T11S, R24E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY

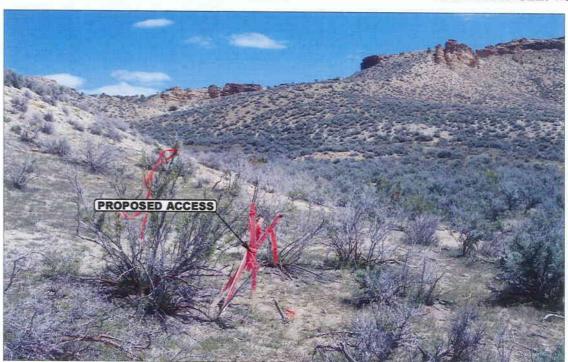


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



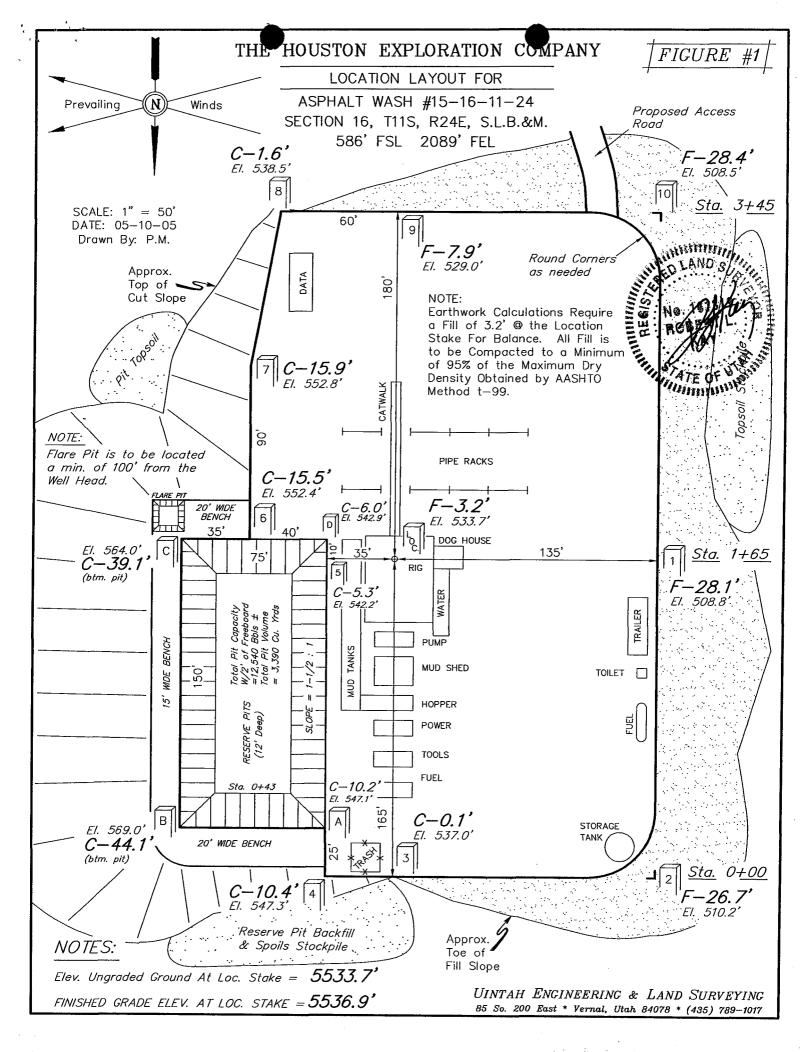
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

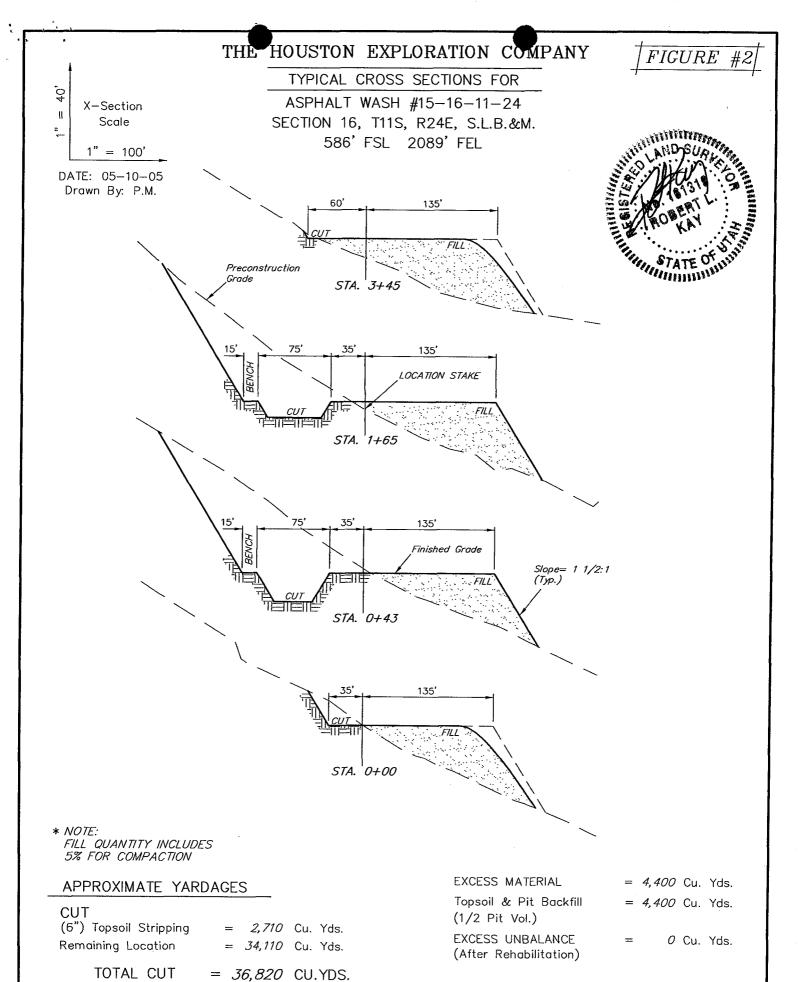
LOCATION PHOTOS

05 10 05 MONTH DAY YEAR

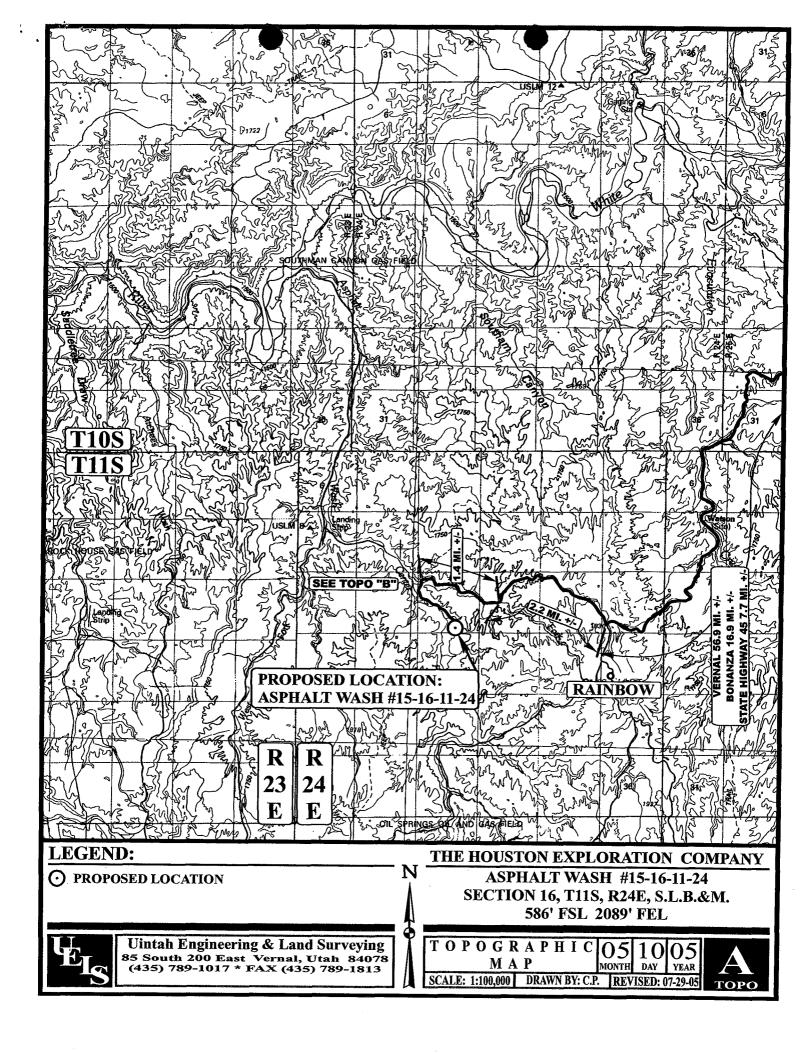
РНОТО

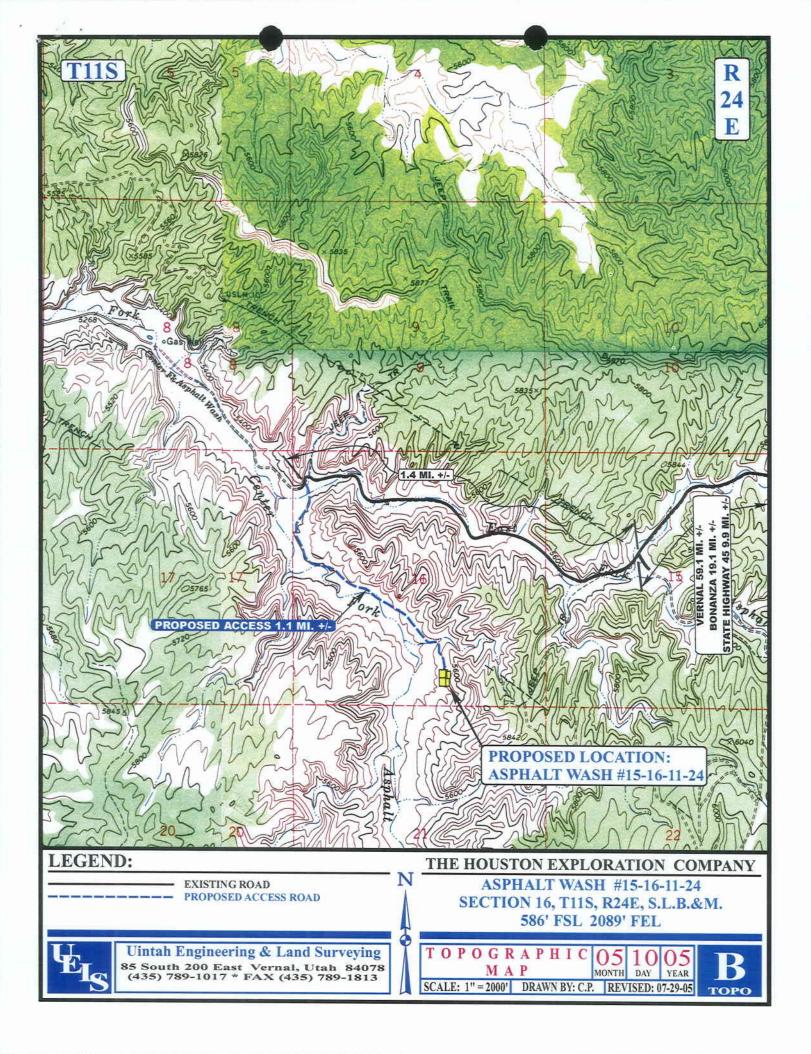
TAKEN BY: N.H. | DRAWN BY: C.P. | REVISED: 00-00-00

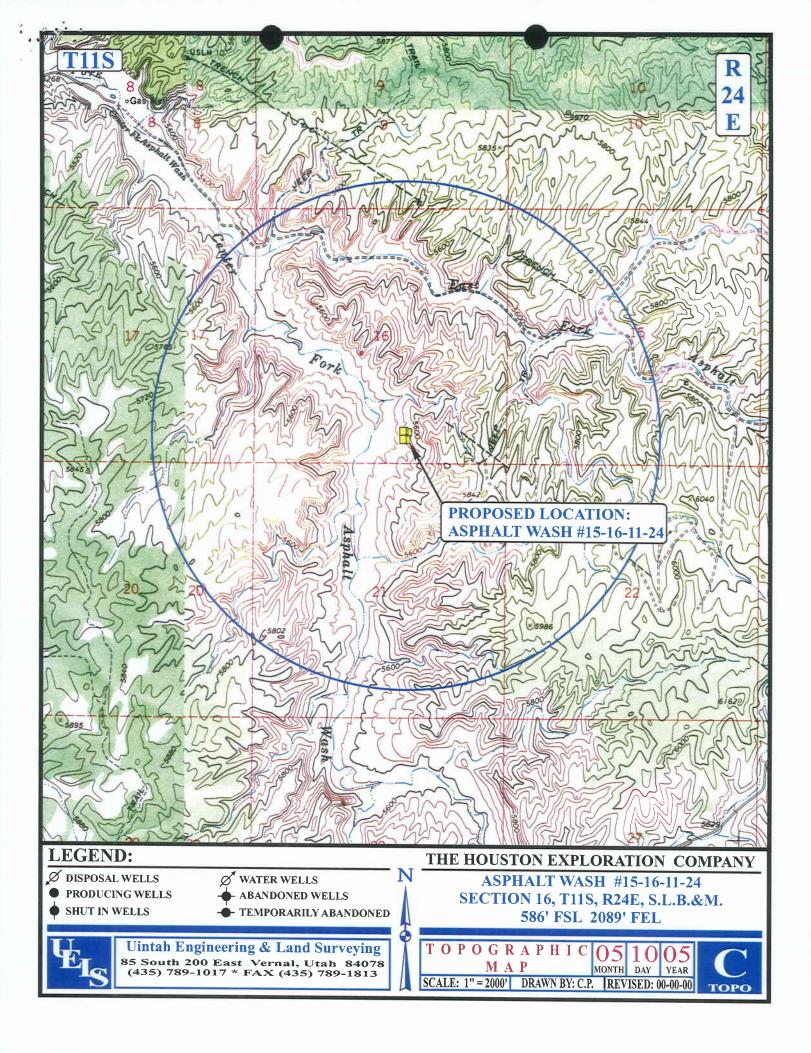


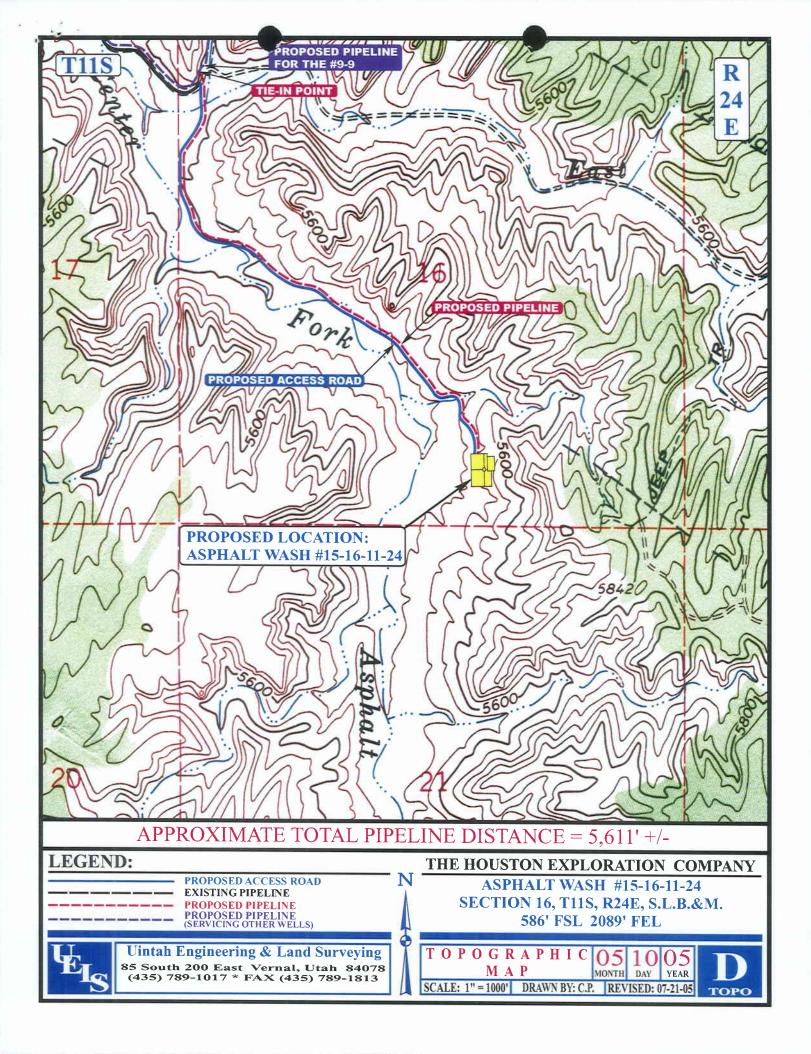


FILL = 32,420 CU.YDS. UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

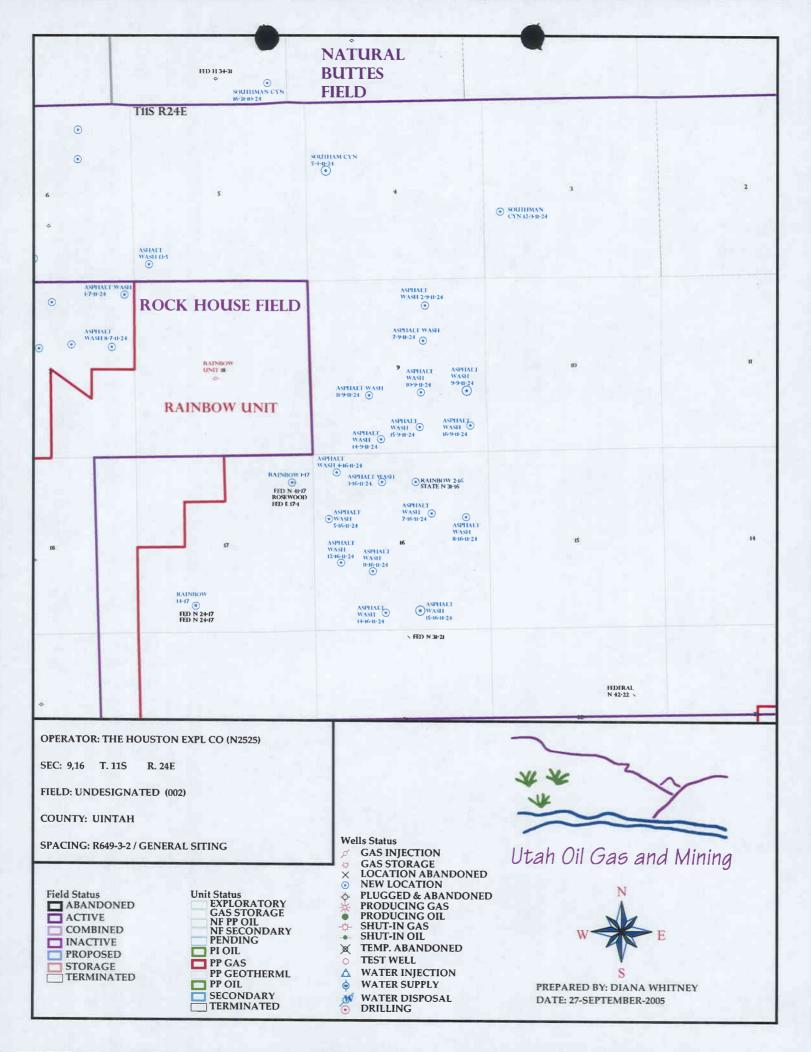








APD RECEIVED: 09/26/2005	API NO. ASSIGN	ED: 43-047-371	.90	
WELL NAME: ASPHALT WASH 15-16-11-24 OPERATOR: Enduring Res LC (N2 750) CONTACT: BILL RYAN	PHONE NUMBER: 4	35-789-0968		
PROPOSED LOCATION: SWSE 16 110S 240E SURFACE: 0586 FSL 2089 FEL BOTTOM: 0586 FSL 2089 FEL UINTAH UNDESIGNATED (2) LEASE TYPE: 3 - State LEASE NUMBER: ML47080 SURFACE OWNER: 3 - State PROPOSED FORMATION: CSLGT COALBED METHANE WELL? NO	INSPECT LOCATE Tech Review Engineering Geology Surface LATITUDE: 39.8 LONGITUDE: -109	Initials DRO	/ Date [6][4]05	
RECEIVED AND/OR REVIEWED: Plat Bond: Fed[] Ind[] Sta[] Fee[] (No. 1041553444) Potash (Y/N) Noil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. T75514) RDCC Review (Y/N) (Date:) NA Fee Surf Agreement (Y/N) NA Intent to Commingle (Y/N)	LOCATION AND SITING: R649-2-3. Unit R649-3-2. General			
COMMENTS: PRESITE 09 STIPULATIONS: I Spacing Stip 2- STATEMENT ES	-27-05 - Basis			



DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	THE HOUSTON EXPLORATION COMPANY
WELL NAME & NUMBER:	ASPHALT WASH 15-16-11-24
API NUMBER:	43-047-37190
LOCATION: 1/4,1/4 SW/SE sec:	<u>16</u> <i>TWP</i> : <u>11S</u> <i>RNG</i> : <u>24E</u> <u>586</u> FSL <u>2089</u> FEL
Geology/Ground Water:	
Houston proposes to set 2 000' of	courfe an apping at this leastion. The doubt to the horse of the second
saline water at this location is esti	surface casing at this location. The depth to the base of the moderately
records shows 1 water well within	mated to be at a depth of 4,500'. A search of Division of Water Rights a 10,000 foot radius of the center of section 16. This well is
	proposed location. Depth of the well is not listed but is probably less than
300 feet The stated use is for wil	dlife and stock watering. The surface formation at this site is the Green
	er Formation is made up of interbedded limestones, shales and sandstones.
	ng program should adequately protect any underground sources of useable
water.	as programs enouse adequatery protect any underground sources of ascapic
Reviewer: Bra	ad Hill Date: 10-04-05
C	
Surface:	·
The predrill investigation of the su	orface was performed on 09/27. Ben Williams with UDWR and Ed Bonner with
SITLA were invited to this investigation of the se	tigation on 09/07/05. Both were present along with Jim Davis of SITLA. Ma
Williams said the area is classified	d as high value deer winter range and recommended a seasonal restriction period
from November 15 to March 15.	This restriction would include road and pad construction, drilling and work-over
rigs.	pur possession and many and work over
This site is on State surface, with S	State minerals, and appears to be the best site for a location in the immediate area
Mr. Williams presented Ms. Strin	gham a DWR prescribed seed mix to be used when reserve pit is reclaimed and
the location rehabilitated	
•	
Reviewer: Floyd	Bartlett Date: 10/03/2005
	,

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

OPERATOR: THE HOUSTON EXPLORATION COMPANY

WELL NAME & NUMBER: ASPHALT WASH 15-16-11-24

API NUMBER: 43-047-37190

LEASE: ML-47080 FIELD/UNIT: UNDESIGNATED

LOCATION: 1/4,1/4 SW/SE SEC: 16 TWP: 11S RNG: 24E 586 FSL 2089 FEL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 651142E 4413105N SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

Floyd Bartlett (DOGM), Ginger Stringham (HOUSTON), Ben Williams (UDWR), Douglas Hammond and Mike Stewart (Enduring Resources), Ed Bonner and Jim Davis (SITLA).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

The proposed Asphalt Wash 15-16-11-24 well lies on the east side of the Center Fork of Asphalt Draw. It is located on a moderately steep west facing side slope. Ledges form the rim of the wash. The location is approximately 10 miles south west of Bonanza Utah, and approximately 64 miles southwest of Vernal, UT. Access from Bonanza is by State Highway then Uintah County road down the East Fork of Asphalt Draw. The access, as proposed, is approximately 1.1 miles following new construction to the south east up the Center Fork of Asphalt Draw. This access will also serve several proposed wells up this Wash. The Center Fork of Asphalt Wash is a broad somewhat flat alluvial wash running to the southeast from its confluence with the East Fork of Asphalt Wash. It is a dry watercourse and only flows water during spring runoff and following intense summer rainstorms. The Asphalt Wash drainages collectively run northerly to the White River about seven miles to the north. Topography is broad canyon bottoms surrounded by steep and often ledgey sideslopes. Frequent outwash plains and deposits occur along the sides of the major bottoms.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife and domestic sheep grazing and hunting.

PROPOSED SURFACE DISTURBANCE: 1.1 miles of new access road and construction of a well location 345'x 200' plus reserve pit and soil stockpile storage outside the described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. Pipeline will follow access road and tie in with the existing pipeline at the fork with the East Fork of Asphalt Draw.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be borrowed from site during construction of location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: Unlikely. Oilfield activity is common in the area and is the dominant use.

WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: The location and proposed access road are outside the existing flood plain.

FLORA/FAUNA: Big sage, greasewood, pronghorn, rodents, songbirds, raptors, elk, deer, bobcat, coyote.

SOIL TYPE AND CHARACTERISTICS: Light brown sandy clay loam with frequent surface rock present.

EROSION/SEDIMENTATION/STABILITY: A small drainage from the side hill above the location will be diverted to the north around the location. Some large boulders upslope from the location may roll downhill during blasting or construction of the pad. They will be dislodged with a tractor before construction of the site. No stability problems are anticipated with the construction and operation of the location.

PALEONTOLOGICAL POTENTIAL: Survey completed. None located.

RESERVE PIT

CHARACTERISTICS: 150' by 75' and 12' deep. The reserve pit is planned in an area of cut. No stabilization problems are expected.

LINER REQUIREMENTS (Site Ranking Form attached): A liner will be required for reserve pit. Sensitivity score of 30, rating as Level I, Highly Sensitive

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURALRESOURCES/ARCHAEOLOGY: Site was inspected by Sagebrush Archeological Consultants On 7/1/2005. A report of this investigation will be placed on file.

OTHER OBSERVATIONS/COMMENTS

Mr. Ben Williams represented the Utah Division of Wildlife Resources at the presite. He said the area is classified as high value deer winter range and recommended a seasonal restriction period from November 15 to March 15. This restriction would include road and pad construction, drilling and work over rigs.

This pre-drill investigation was conducted on a warm, sunny day.

ATTACHMENTS

Photos of site have been taken and placed on file.

Floyd Bartlett
DOGM REPRESENTATIVE

09/27/2005 11:00AM DATE/TIME

Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

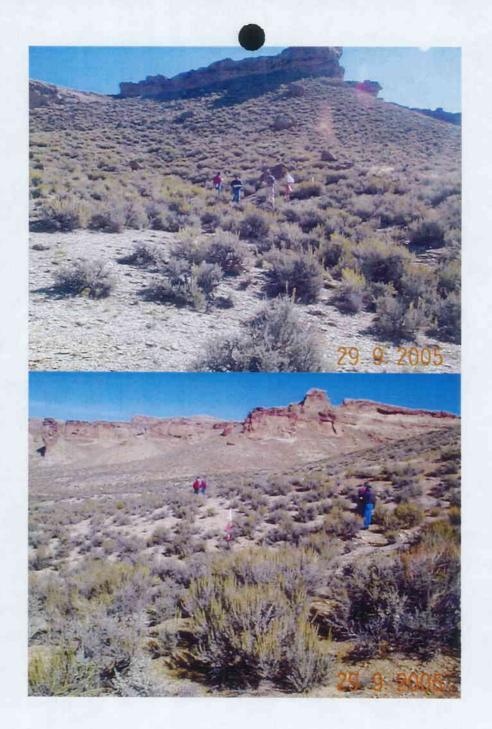
	ombite ite bine	r negarrements
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100 25 to 75	10	
<25 or recharge area	15 20	0
and of footalgo area	20	
Distance to Surf. Water (feet)		
>1000 300 to 1000	0 2	
200 to 300	10	
100 to 200	15	
< 100	20	0
Distance to Nearest Municipal		
Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320 <500	10	_
2300	20	0
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	20
Fluid Type		•
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid	10 15	
containing significant levels of	13	
hazardous constituents	20	5
Poill Cottings		
Drill Cuttings Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10 10 to 20	0 5	
>20	10	5
Affected Populations	0	
10 to 30	0 6	
30 to 50	8	
>50	10	0
Presence of Nearby Utility		
Conduits		
Not Present Unknown	0	
Present	10 15	0
		0

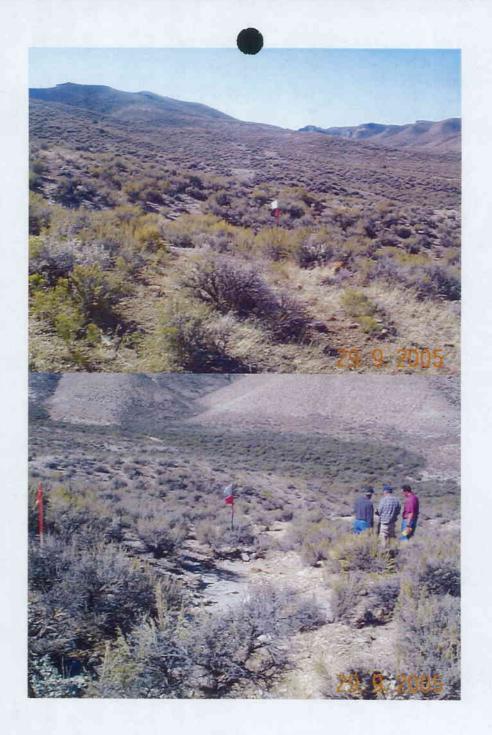
Final Score 30 (Level I Sensitivity)

Sensitivity Level II = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

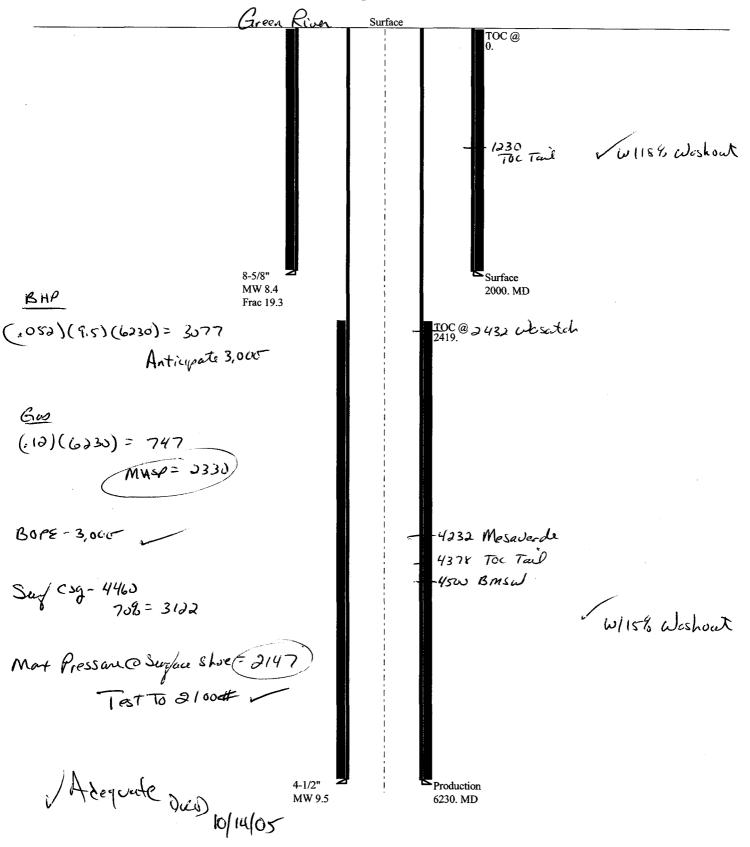
Sensitivity Level III = below 15; no specific lining is required.





-0-05 Houston Buck Cyn 15-15-11-24

Casing Schematic



Well name:

10-05 Houston Buck Cyn 15-16-11-24

Operator:

Houston Exploration Company

String type:

Surface

Design is based on evacuated pipe.

Project ID: 43-047-37190

Location:

Collapse

Uintah County, Utah

Minimum design factors:

Collapse: Design factor

1.125

Environment: H2S considered?

Surface temperature:

No 65 °F

Bottom hole temperature: Temperature gradient:

93 °F 1.40 °F/100ft

Minimum section length:

299 ft

Burst:

Design factor

1.00

1.80 (J)

Cement top:

Surface

Burst

Max anticipated surface

No backup mud specified.

pressure:

356 psi

8.400 ppg

Internal gradient: Calculated BHP

Design parameters:

Mud weight:

0.436 psi/ft 1,229 psi

Tension:

8 Round STC: 8 Round LTC:

1.80 (J) Buttress: 1.60 (J) Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 1,749 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

6.230 ft 9.500 ppg 3,075 psi 19.250 ppg

Fracture mud wt: Fracture depth: Injection pressure

2,000 ft 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	36.00	J-55	ST&C	2000	2000	7.7	143.5
Run Seq	Collapse Load (psi) 873	Collapse Strength (psi) 3450	Collapse Design Factor 3.954	Burst Load (psi) 1229	Burst Strength (psi) 4460	Burst Design Factor 3.63	Tension Load (Kips) 72	Tension Strength (Kips) 434	Tension Design Factor 6.03 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining by:

Phone: (801) 538-5280 FAX: (801)359-3940

Date: October 6.2005 Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

10-05 Houston Buck Cyn 15-16-11-24

Operator:

Houston Exploration Company

String type:

Design is based on evacuated pipe.

Production

Project ID:

43-047-37190

Location:

Collapse

Uintah County, Utah

Minimum design factors: **Environment:**

Collapse:

Design factor 1.125 H2S considered?

Surface temperature:

No 65 °F

Bottom hole temperature: Temperature gradient:

152 °F 1.40 °F/100ft

Minimum section length: 1,500 ft

Burst:

Design factor

1.00

Cement top:

2.419 ft

Burst

Max anticipated surface

No backup mud specified.

pressure:

356 psi

9.500 ppg

Internal gradient: Calculated BHP

Design parameters:

Mud weight:

0.436 psi/ft 3,075 psi

Tension:

8 Round STC:

1.80 (J) 8 Round LTC: 1.80 (J) **Buttress:** 1.60 (J)

Premium:

1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 5,345 ft Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6230	4.5	11.60	N-80	LT&C	6230	6230	3.875	144.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3075	6350	2.065	3075	7780	2.53	72	223	3.09 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: (801) 538-5280 FAX: (801)359-3940

Date: October 6,2005 Salt Lake City, Utah

ENGINEERING STIPULATIONS -

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

STATE OF UTAH **DEPARTMENT OF NATURAL RESOURCES**

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: See Attached List
2. NAME OF OPERATOR: The Houston Exploration Company N3535	9. API NUMBER:
3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1100 Louisiana, Ste 2000 CITY Houston STATE TX ZIP 77002 (713) 830-6938	
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached List	соимту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
✓ NOTICE OF INTENT □ ACIDIZE □ DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: Effective CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
9/1/05 CHANGE TO PREVIOUS PLANS PERATOR CHANGE 9/1/05	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
Enduring Resources, LLC Operator #N 2750 475 17th Street, Ste 1500 Denver, CO 80202 Contact: Frank Hutto 303-350-5102 Utah State Bond #RLB0008031 Signature & Title Date	VP. OPS
NAME (PLEASE PRINT) Joanne Hresko SIGNATURE DATE DATE Vice President/G	eneral Manager Onshore
	RECEIVED
APPROVED 9 39 3005 *AS AMENDED 10/11/0 APPROVED BY GREG DAV HOUSTON EXPLORATION ALVIN ARLIAN OF Exclude Process of Control of Co	1S 0FSEP 2 6 2005

Earlene Russell, Engineering Technician ENDURING RESOURCES

DIV. OF OIL, GAS & MINING

Houston Exploration Co to Enduring Resources, LLC Amended List approved 10/11/2005 Effective 9/1/05

well_name (DOGM)	sec	twsp	rng	api (DOGM)	entity	lease	well	stat	flag	l_num	unit
SOUTHMAN CYN 3-5	05	100S	240E	4304736107		Federal	GW	APD		UTU-81204	
SOUTHMAN CYN 6-6	06	100S	240E	4304736108		Federal	GW	APD		UTU-81204	
SOUTHMAN CYN 8-6	06	100S	240E	4304736109		Federal	GW	APD		UTU-81204	
BONANZA 14-22-9-24	22	090S	240E	4304737158		Federal	GW	APD	C	UTU-75118	
BONANZA 13-22-9-24	22	090S	240E	4304737159		Federal	GW	APD	C	UTU-75118	
BONANZA 9-27-9-24				4304737160		Federal	GW	APD	C	UTU-80571	
BONANZA 7-27-9-24	27	090S	240E	4304737161		Federal	GW	APD	C	UTU-80571	
E BENCH 3-17-11-22	17		-	4304737162		Federal	GW	APD	C	UTU-73920	
E BENCH 1-17-11-22	17	110S	220E	4304737163		Federal	GW	APD	C	UTU-73920	
E BENCH 16-17-11-22	17	110S	220E	4304737164		Federal	GW	APD	С	UTU-73920	
BONANZA 5-22-9-24	22	090S	240E	4304737181	<u> </u>	Federal	GW	APD	C	UTU-75118	
BONANZA 15-22-9-24				4304737182		Federal	GW	APD	С	UTU-75118	
BONANZA 11-22-9-24	22	090S	240E	4304737183		Federal	GW	APD	С	UTU-75118	
BONANZA 6-22-9-24	22	090S	240E	4304737184	<u> </u>	Federal	GW	APD	С	UTU-75118	
	27	090S	240E	4304737186	<u> </u>	Federal	GW	APD	С	UTU-80571	
E BENCH 5-17-11-22	17	110S	220E	4304737187	<u> </u>	Federal	GW	APD	С	UTU-73920	
E BENCH 7-17-11-22	17	110S	220E	4304737188	<u> </u>	Federal	GW	APD	С	UTU-73920	
ASPHALT WASH 9-9-11-24	09	110S	240E	4304737189		Federal	GW	APD	С	UTU-73920	
ASPHALT WASH 15-16-11-24	16	110S	240E	4304737190		State	GW	NEW	С	ML-47080	
BONANZA 5-26-9-24	26	090S	240E	4304737185		Federal	GW	APD	C	UTU-75118	BONANZA

TRANSFER OF OPERATOR

NATURAL BUTTES FIELD, UINTAH COUNTY, UTAH DRILLED WELLS, TO BE OPERATED BY ENDURING RESOURCES, LLC

API Well Numbe	r Well Name	Well Status	Qtr/Qtr	Section	Township-Range	FNL/FSL	FEL/FWL	Latitude	Longitude
43047355550000	Bonanza #10D-18	Si	NWSE	18	9S-24E	1437 S	1800 E	40.03340	-109,25282
43047355510000	Bonanza #12D-12	Producing	NWSW	12	9S-23E	1556 S	867 W	40.04788	-109.28055
43047356930000	Bonanza #2D-27	Producing	NWNE	27	9S-24E	1064 N	1824 E	40.01123	-109.19600
43047359080000	Bonanza 10-11	Producing	NWSE	11	9S-23E	1991 S	1755 E	40.04866	
43047356920000	Bonanza 10D-8	SI	NWSE	8	9S-24E	1510 S	1768 E	40.04789	-109.23383
43047355520000	Bonanza 1-11	Producing	NWNW	11	9S-23E	990 N	990 E	40.05431	-109.29891
43047359290000	Bonanza 12-20) Drlg	NWSW	20	9S-25E	1998 S	825 W	40.01947	-109.13150
43047-359210000	Bonanza 12A-18	Producing	NWSW	18	9S-24E	2067 S	813 W	40.03430	-109.26242
43047359090000	Bonanza 14-12	Evaluating	SESW	12	9S-23E	505 S	2001 W	40.04455	-109.27693
43047359940000	Bonanza 4-18	WOPL	NWNW	18	9S-24E	706 N	682 W	40.04119	-109.26288
43047-356220000		Producing	NWNW	16	9S-24E	1152 N	1209 W	40.04000	-109.22349
43047358600000	Bonanza 6-36	Producing	SENW	36	9S-24E	2217 N	2009 W	39.99336	-109.16393
43047359120000	Bonanza 6B-8	Producing	SENW	8	9S-24E	2017 N	1878 W	40.05213	-109.24004
43047359200000	Bonanza 8D-7	Producing	SENE	7	9S-24E	1992 N	477 E	40.05220	-109.24845
43047359050000	Buck Canyon 15-24	P&A	SW/SE	24	12S-21E	700 S	2139 E	39.75386	-109.5134
43047348150000	Cartwright 2-35	TA	NWNE	35	9S-24E	858 N	2104 E	39.99733	-109.17882
43047332510000	East Bench 11-16	WOC	NESW	16	11S-22E	s s	1980 W	39.85889	-109.46172
43047347560000	Hoss 15	Producing	SWSE	20	9S-25E	1291 S	2088 E	40.01767	-109.12236
43047348140000	Little Joe 11-7	TA	NENE	7	9S-25E	710 N	644 E	40.05562	-109.13601
43047361500000	Rainbow 14-17	WOC	SESW	17	11S-24E	780 S	1726 W	39.85689	-109.25731
43047361840000	Rainbow 2-16	woc	NWNE	16	11S-24E	837 N	2136 E	39.86708	-109.23348
43047353630000	Southman Canyon 10D-36	Producing	NWSE	36	9S-23E	1757 S	1650 E	39.98991	-109.27148
43047353640000	Southman Canyon 12D-36	Producing	NWSW	36	9S-23E	1518 S	1069 W	39.98977	-109.28040
43047357700000	Southman Canyon 14C-36	Producing	SESW	36	9S-23E	648 S	1717 W	39.98689	-109.27716
43047357720000	Southman Canyon 16C-36	Producing	SESE	36	9S-23E	542 S	736 E	39.98607	-109.26912
43047356910000	Southman Canyon 2D-30	Producing	NWNE	30	9S-24E	1171 N	1502 E	40.01111	-109.25269
43047353650000	Southman Canyon 2D-36	Producing	NWNE	36	9S-23E	960 N	1751 E	39.99711	-109.27228
43047353610000	Southman Canyon 4D-36	Producing	WNW	36	9S-23E	1163 N	1137 W	39.99623	-109.28012
43047353620000	Southman Canyon 6D-36	Producing	SENW	36	9S-23E	2466 N	2271 W		-109.27635
43047357710000	Southman Canyon 8C-36	Producing	SENE	36	9S-23E	2185 N	694 E	39.99358	-109.26783
43047355590000	Thurston Federal #12-1	Producing	SESW	12	12S-21E	692 S	1959 W	39.78280	-109.51768



NEW OPERATOR: Enduring Resources, LLC EFFECTIVE DATE: September 1st, 2005

Well Name	Q/Q	Sec	т	R	Lease Number	Footages f/ Sec Lines - SL	ADIN
Asphalt Wash 19-7	SW/SW	7	113	24E	UTU-73010	739' FSL & 629' FWL	API Number
Bonanza 16-18	SE/SE	18	98	24E	UTU-73457		43-047-36234
Bonanza 4-11	NW/NW	11	98	23E	UTU-74426	861' FSL & 715' FEL	43-047-35992
Bonanza 10D-12	NW/SE	12	98	23E	UTU-74426	671' FNL & 729' FWL	43-047-35968
Bonanza 12-11	NW/SW	11	98	23E	UTU-74426	1,785' FSL & 1,855' FEL	43-047-35919
Bonanza 14-18	SE/SW	18	98	24E		1748' FSL & 420' FWL	43-047-35916
Bonanza 14A-8	SE/SW		98		UTU-73457	472' FSL & 2,010' FWL	43-047-35993
Pananta 16A 27		8		24E	UTU-73457	907' FSL & 2,298' FWL	43-047-35952
Bonanza 2-21	SE/SE	27	98	24E	UTU-80571	862' FSL & 581' FEL	o 43-047-35923
	NW/NE	21	88	25E	UTU-73470	1,207' FNL & 1,541' FEL	43-047-35926
Bonanza 3-8	NW/NW	8	98	24E	UTU-73457	573' FNL & 1,518' FWL	43-047-35966
Bonanza 6D-7	SE NW	7	98	24E	UTU-73457	2,310' FNL & 2,310' FWL	43-047-35690
Bonanza 8-11	SE/NE	11	98	23E	UTU-74426	2,163 FNL & 615' FEL	43-047-35907
Bonanza 8B-27	SE/NE	27	98	24E	UTU-80571	1,830' FNL & 735' FEL	43-047-35923
Buck Camp 4-25	NW/NW	25	11S	22E	UTU-74424	804 FNL & 695 FWL	43-047-36276
Buck Camp 4-26	NW/NW	26	115	22E	UTU-74974	660' FNL & 660' FWL	43-047-36274
Buck Canyon 1-24	NE/NE	24	128	21E	UTU-73440	488' FNL & 833' FEL	43-047-35606
Buck Canyon 15-24	SW/SE	24	126	21E	UTU 73440	700' FSL & 2,139' FEL	# 43-047-35905
Buck Canyon 7-24	SW/NE	24	123	21E	UTU-73440	2,041' FNL & 2,171' FEL	
Buck Canyon 9-24	NE/SE	24			UTU-73440	1784' FSL & 855' FEL	43-047-35904
Rainbow 1-17	NE/NE	17	11S	24E	UTU-73920	795' FNL & 586' FEL	43-047-35903
Southman Canyon #14-30	SE/SW	30	98	24E	UTU-80571	740' FSL & 1,737' FWL	43-047-36151
Southman Canyon #4C-30	NW/NW	30	98	24E	UTU-80571	676' FNL & 568' FWL	43-047-35914
Southman Canyon 12-30	NW/SW	30	98	24E	UTU-80571	1,912' FSL & 513' FWL	43-047-35913
Southman Canyon 8-30	SE/NE	30	98	24E	UTU-80571		43-047-36104
Southman Canyon 9-30	NE/SE	30	98	24E	UTU-80571	1,875' FNL & 818' FEL 2,089' FSL & 831' FEL	43-047-35994 43-047-36019

* 43047-35906 • 43047-35953

NEW OPERATOR: Enduring Resources, LLC **EFFECTIVE DATE:** September 1st, 2005

									
	1	1			Lease	Footages f/ Sec Lines -			Well
Well Name	Q/Q	Sec	T	R	Number	SL	API Number	FIELD	Туре
Asphalt Wash 11-16-11-24	NESW	16	118	24E	ML-73921	2000 FSL & 1900 FWL	43-047-37088	Undesignated	Gas
Asphalt Wash 12-16-11-24	NWSW	16	118	24E	ML-47080	2060 FSL & 839 FWL	43-047-36873	Undesignated	Gas
Asphalt Wash 14-16-11-24	SESW	16	118	24E	ML-47080	537 FSL & 2140 FWL	43-047-36876	Undesignated	Gas
Asphalt Wash 3-16-11-24	NENW	16	118	24E	ML-47080	825 FNL & 2116 FWL	43-047-36886	Undesignated	Gas
Asphalt Wash 4-16-11-24	NWNW	16	118	24E	ML-47080	521 FNL & 766 FWL	43-047-36885	Undesignated	Gas
Asphalt Wash 5-16-11-24	SWNW	16	118	24E	ML-47080	1880 FNL & 630 FWL	43-047-37089	Undesignated	Gas
Asphalt Wash 7-16-11-24	SWNE	16	118	24E	ML-47080	1781 FNL & 1676 FEL	43-047-36874	Undesignated	Gas
Asphalt Wash 8-16-11-24	SENE	16	118	24E	ML-47080	1905 FNL & 642 FEL	43-047-36875	Undesignated	Gas
Bonanza 14-20	SESW	20	98	25E	ML-45558	838' FSL & 1,922' FWL	43-047-35930	Chapita Wells	Gas
Bonanza 4-20	NWNW	20	98	25E	ML-45558	933' FNL & 583 FWL	43-047-35924	Chapita Wells	Gas
Bonanza 4-29	NWNW	29	98	25E	ML-45559	600' FNL & 596' FWL	43-047-36010	Chapita Wells	Gas
Bonanza 4-36	NWNW	36	98	24E	ML-46527	258' FNL & 862' FWL	43-047-35861	Natural Buttes	Gas
Bonanza 6-20	SENW	20	98	25E		2,178' FNL & 1,839' FWL	43-047-35928	Chapita Wells	Gas
Buek Canyon 9-16-12-21	NESE	_16_	125	21E	ML-47085	1980' FSL & 660' FEL	43-047-37091	Buck Canyon	Gas
Buck Canyon 11-16-12-21	NESW	16		21W	ML-47085	NA	43-047-37119	Undesignated	Gas
Buck Canyon 13-16-21-21	SWSW	16		21W		NA	43-047-37118	Undesignated	Gas
Buck Canyon 15-16-12-21	SWSE	16	128	21W	ML-47085	NA	43-047-37120	Buck Canyon	Gas
East Bench 1-16	NENE	16	118	22E	ML-46911	660' FNL & 660' FEL	43-047-36126	Undesignated	Gas
East Bench 15-16	SWSE	16	118	22E	ML-46911	545' FSL & 1,848' FEL	43-047-36128	Undesignated	Gas
East Bench 3-16	NENW	16	118	22E	ML-46911	832' FNL & 1,978' FWL	43-047-36125	Undesignated	Gas
East Bench 7-16	SWNE	16	118	22E	ML-46911	1,909' FNL & 1,643' FEL	43-047-36127	Undesignated	Gas
East Bench 12-16-11-22	NWSW	16	118	22E	ML-46911	1862 FSL & 838 FEL	43-047-37128	Undesignated	Gas
East Bench 13-16-11-22	SWSW	16	118	22E	ML-46911	880 FSL & 750 FWL	43-047-37130	Undesignated	Gas
East Bench 14-16-11-22	SESW	16	118	22E	ML-46911	848 FSL & 1930 FWL	43-047-37122	Undesignated	Gas
East Bench 16-16-11-22	SESE	16	118	22E	ML-46911	663 FSL & 1055 FEL	43-047-37121	Undesignated	Gas
East Bench 2-16-11-22	NWNE	16	115	22E	ML-46911	705 FNL & 2077 FEL	43-047-37125	Undesignated	Gas
East Bench 4-16-11-22	NWNW	16	118	22E	ML-46911	760 FNL & 860 FWL	43-047-37126	Undesignated	Gas
East Bench 5-16-11-22	SWNW	16	118	22E	ML-46911	1980 FNL & 758 FWL	43-047-37129	Undesignated	Gas
East Bench 6-16-11-22	SENW	16	11S	22E	ML-46911	1887 FNL & 2138 FWL	43-047-37124	Undesignated	Gas
East Bench 8-16-11-22	SENE	16	118	22E	ML-46911	1880 FNL & 780 FEL	43-047-37127	Undesignated	Gas
East Bench 9-16-11-22	NESE	16	118	22E	ML-46911	2035 FSL & 1422 FEL	43-047-37123	Undesignated	Gas
Gusher 6-2	SENW	-2	65	19E	-ML-49144	1550 FNL 1825 FWL	43-047-36963	Moffit Canal	Oil -
Hanging Rock 1-32	NENE	32	118	23E	ML-47079	542' FNL & 690' FEL	43-047-36309	Undesignated	Gas
Little Pack Mountain 1-16	NWNW	16	128	20E	ML-47082	609 FNL & 688 FEL	43-047-36981	Wildcat	Gas
Little Pack Mountain 7-32	SWNE	32	128	20E	ML-47083	1792 FNL & 1797 FEL	43-047-36980	Wildcat	Gas
Rock House 12-36-10-23	NWSW	36	108	23E	ML-47907	1844 FSL & 755 FWL	43-047-36534	Natural Buttes	Gas
Rock House 13-32-10-23	swsw	32	108	23E		564 FSL & 471 FWL	43-047-36411	Natural Buttes	Gas
Rock House 1-36-10-22	NENE	36	108	22E	ML-47061	620 FNL & 850 FEL	43-047-36408	Natural Buttes	Gas
Rock House 3-36-10-22	NENW	36	108	22E	ML-47061	934 FNL & 1783 FWL	43-047-36407	Natural Buttes	Gas
Rock House 4-32-10-23	SWNW	32	108	23E	ML-47063	1406 FNL & 562 FWL	43-047-36412	Natural Buttes	Gas
Rock House 7-36-10-22	SWNE	36		22E		2209 FNL & 2445 FEL	43-047-36409	Natural Buttes	Gas
Rock House 9-32-10-23	NESE	32	108	-23E	MI -47063-	2008 FSL & 1042 FEL	43-047-36337	Natural Buttes	Gas
Rockhouse #13-36	SWSW	36	108	22E		486 FSL & 844' FWL	43-047-35902	Natural Buttes	Gas
Rockhouse 16-2	SESE	2		23E	ML-47078	909' FSL & 748' FEL	43-047-36152	Rockhouse	Gas
Seep Springs 10-13-12-24	NWSE	13	128	24E		1950 FSL & 1802 FEL	43-047-36634	Undesignated	Gas
Seep Springs 1-13-12-24	NENE	13	128	24E	ML-49275	753 FNL & 487 FEL	43-047-36628	Undesignated	Gas
Seep Springs 15-11-12-24	SWSE	11		24E		829 FSL & 2178 FEL	43-047-36626	Undesignated	Gas
Seep Springs 15-13-12-24	SWSE	13		24E	ML-49275	622 FSL & 1806 FEL	43-047-36630	Undesignated	Gas
Seep Springs 16-11-12-24	SESE	11	128	24E	ML-49274	659 FSL & 466 FEL	43-047-36625	Undesignated	Gas
Seep Springs 16-13-12-24	SESE	13	128	24E	ML 49275	686 FSL & 640 FEL	43-047-36629	Undesignated	Gas
Seep Springs 2-13-12-24	NWNE	13	128	24E	ML-49275	465 FNL & 1807 FEL	43-047-36627	Undesignated	Gas
Seep Springs 7-13-12-24	SWNE	13	128	24E	ML-49275	FNL & FEL	43-047-36631	Undesignated	Gas
Seep Springs 8-13-12-24	SENE	13	128	24E	ML-49275	1969 FNL & 642 FEL	43-047-36632	Undesignated	Gas
Seep Springs 9-13-12-24	NESE	13	128	24E	ML-49275	663 FSL & 1960 FEL	43-047-36633	Undesignated	Gas
Southman Canyon 11-36-9-23	NESW	36	98	23F		1965 FSL & 1953 FWL	43-047-36535	Natural Buttes	Gas (
Southman Canyon 13-36-9-23	SWSW	36	-05	23E	MI -47782	467 FSL & 823 FWL	43-047-36532	Natural Buttes	- Gas

NEW OPERATOR: Enduring Resources, LLC EFFECTIVE DATE: September 1st, 2005

Well Name	Q/Q	Sec	Т	R	Lease Number	Footages f/ Sec Lines - SL	API Number	FIELD	Well Type
Southman Canyon 1-36-9-23	NENE	36	98	23E	ML-47782	681 FNL & 496 FEL	43-047-36537	Natural Buttes	Gas
Southman Canyon 15-36-9-23	SWSE	36	98	23E	ML-47782	529 FSL & 1784 FEL	43-047-36529	Natural Buttes	Gas
Southman Canyon 3-36-9-23	NENW	36	98	23E	ML-47782	464 FNL & 1815 FWL	43-047-36530	Natural Buttes	Gas
Southman Canyon 5-36-9-23	SWNW	36	98	23E	ML-47782	2028 FNL & 499 FWL	43-047-36531	Natural Buttes	Gas
Southman Canyon 7-36-9-23	SENE	36	98	23E	ML-47782	2184 FNL & 1994 FEL	43-047-36536	Natural Buttes	Gas
Southman Canyon 9-36-9-23	NESE	36	98	23E	ML-47782	1978 FNL & 657 FEL	43-047-36533	Natural Buttes	Gas



NEW OPERATOR: Enduring Resources, LLC EFFECTIVE DATE: September 1st, 2005

					Loose	Footogo # Soo Lines	
Well Name	Q/Q	Sec	Т	R	Lease Number	Footages f/ Sec Lines - SL	API Number
							API Number
Asphalt Wash 13-6	SW/SW	6-		24E		400' FSL & 550' FWL	40.047.07074
Asphalt Wash 10-9-11-24	NW SE	9	118	24E	UTU-73920	1846 FSL & 1942 FEL	43-047-37071
Asphalt Wash 11-9-11-24	NE SW	9	118	24E	UTU-73920	1799 FSL & 1782 FWL	43-047-37073
Asphalt Wash 12-6-11-24	NW SW	6	118	24E	UTU-73919	1844 FSL & 683 FWL	43-047-37066
Asphalt Wash 14-6-11-24	SE SW	6	115	24E	UTU-73919	704 FSL & 2123 FWL	43-047-37067
Asphalt Wash 14-9-11-24	SE SW	9	115	24E	UTU-73920	460 FSL & 2115 FWL	43-047-37076
Asphalt Wash 15-9-11-24	SW SE	9	115	24E	UTU-73920	804 FSL & 1990 FEL	43-047-37074
Asphalt Wash 16-9-11-24	SE SE	9	115	24E	UTU-73920	826 FSL & 472 FEL	43-047-37075
Asphalt Wash 2-6-11-24	NW NE	6	115	24E	UTU-73919	735 FNL & 1590 FEL	43-047-37061
Asphalt Wash 2-7-11-24	NW NE	7	118	24E	UTU-73919	621 FNL & 2462 FEL	43-047-37068
Asphalt Wash 2-9-11-24	NW NE	9	115	24E	UTU-73920	829 FNL & 1774 FEL	43-047-37070
Asphalt Wash 3-6-11-24	NE NW	6	118	24E	UTU-73919	792 FNL & 1925 FWL	43-047-37062
Asphalt Wash 4-6-11-24	NW NW	6	118	24E	UTU-73919	820 FNL & 1007 FWL	43-047-37063
Asphalt Wash 5-6-11-24	SW NW	6	118	24E	UTU-73919	1738 FNL & 716 FWL	43-047-37064
Asphalt Wash 6-7-11-24	SE NW	7	118	24E	UTU-73919	2013 FNL & 2241 FWL	43-047-37069
Asphalt Wash 7-6-11-24	SW NE	6	118	24E	UTU-73919	1616 FNL & 1615 FEL	43-047-37065
Asphalt Wash 7-9-11-24	SE NE	9	11\$	24E	UTU-73920	1883 FNL & 1854 FEL	43-047-37072
Asphalt Wash 1-7-11-24	NE NE	7	118	24E	UTU-73919	426 FNL & 270 FEL	43-047-37084
Asphalt Wash 4-7-11-24	NW NW	7	115	24E	UTU-73919	856 FNL & 860 FWL	43-047-37085
Asphalt Wash 7-7-11-24	SW NE	7	118	24E	UTU-73919	1909 FNL & 1893 FEL	43-047-37087
Asphalt Wash 8-7-11-24	SE NE	7	115	24E	UTU-73919	1998 FNL & 683 FEL	43-047-37086
Bonanza 4-7	NW/NW	7	98	24E	UTU-73457	809' FNL & 670' FWL	43-047-36017
Bonanza 8-17	SW/NE	17	98	24E	UTU-73457	1865' FNL & 584' FEL	43-047-36041
Bonanza 11-11-9-23	NE SW	11	98	23E	UTU-74426	2036 FSL & 2043 FWL	43-047-36649
Bonanza 11-12-9-23	NE SW	12	98	23E	UTU-74426	1799 FSL & 1948 FWL	43-047-36655
Bonanza 11-18-9-24	NE SW	18	98	24E	UTU-73457	1785 FSL & 2133 FWL	43-047-36637
Bonanza 12-23-9-24	NW/SW	23	98	24E	UTU-81311	1882 FSL & 699 FWL	43-047-36640
Bonanza 12-35	NW/SW	35	98	24E	UTU 73459	1374' FSL & 858' FWL	43-047-36020
Bonanza 13-11-9-23	SW SW	11	98	23E	UTU-74426	463 FSL & 773 FWL	43-047-36650
Bonanza 13-12-9-23	SW SW	12	98	23E	UTU-74426	661 FSL & 656 FWL	43-047-36528
Bonanza 13-18-9-24	SW SW	18	98	24E		767 FSL & 583 FWL	43-047-36638
Bonanza 14-11-9-23	SE SW	11	98	23E		756 FSL & 1859 FWL	43-047-36651
Bonanza 14-23-9-24	SE/SW	23	98		UTU-81311	560 FSL & 1878 FWL	43-047-36641
Bonanza 15-11-9-23	SW SE	11	98	23E	UTU-74426	660 FSL & 1980 FEL	43-047-36652
Bonanza 15-12-9-23	SW SE	12	98	23E	UTU-74426	607 FSL & 1920 FEL	43-047-36656
Bonanza 15-18-9-24	SW SE	18	98	24E'	UTU-73457	463 FSL & 2162 FEL	43-047-36639
Bonanza 16-12-9-23	SE SE	12	98	23E	UTU-74426	855 FSL & 536 FEL	43-047-36657
Bonanza 16-8	SE/SE	8	98	24E	UTU-73457	588' FSL & 524' FEL	43-047-36101
Bonanza 2-11-9-23	NW NE	11	98	23E		664 FNL & 1925 FEL	43-047-36643
Bonanza 2-12-9-23	NW NE	12	98	23E	UTU-74426	743 FNL & 1962 FEL	43-047-36527
Bonanza 3-11-9-23	NE NW	11	98	23E	UTU 74426	499 FNL & 1898 FWL	43-047-36644
Bonanza 3-12-9-23	NE NW	12	98	23E	UTU-74426	734 FNL & 1866 FWL	43-047-36524
Bonanza 4-35	NW/NW	35	98	24E	UTU 73459	789' FNL & 807' FWL	43-047-35925
Bonanza 5-11-9-23	SW NW	11	98	23E		1794 FNL & 609 FWL	43-047-36645
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NEW OPERATOR: Enduring Resources, LLC EFFECTIVE DATE: September 1st, 2005

	<u> </u>					Footones & Cookings	
Well Name	Q/Q	Sec	т	R	Lease Number	Footages f/ Sec Lines - SL	API Number
						~	
Bonanza 5-12-9-23	SW NW	12	98	23E	UTU-74426	1996 FNL & 558 FWL	43-047-36526
Bonanza 5-18-9-24	SW NW	18	98	24E	UTU-73457	2147 FNL & 662 FWL	43-047-36635
Bonanza 5-22	SW/NW	22	88	25E		1,932' FNL & 415' FWL	43-047-35918
Bonanza 5-24-9-24	SW/NW	24	98	24E	UTU-73458	2167 FNL & 714 FWL	43-047-36642
Bonanza 6-11-9-23	SE NW	11	98	23E		2069 FNL & 1801 FWL	43-047-36646
Bonanza 6-12-9-23	SE NW	12	98	23E	UTU-74426	2114 FNL & 1871 FWL	43-047-36525
Bonanza 7-11-9-23	SW NE	11	98	23E	UTU-74426	2060 FNL & 2134 FEL	43-047-36647
Bonanza 7-12-9-23	SW NE	12	98	23E	UTU-74426	2065 FNL & 2159 FEL	43-047-36653
Bonanza 8-35	SENE	35	98	24E	UTU-73459	1987' FNL & 909' FEL	43-047-36105
Bonanza 9-11-9-23	NE SE	11	98	23E	UTU-74426	2008 FSL & 553 FEL	43-047-36648
Bonanza 9-12-9-23	NE SE	12	98	23E	UTU-74426	1980 FSL & 660 FEL	43-047-36654
Bonanza 9-18-9-24	NE SE	18	98	24E	UTU-73457	2009 FSL & 852 FEL	43-047-36636
Bonanza 9-22	NE/SE	22	98	24E	UTU-75118	1,969' FSL & 495' FEL	43-047-36102
East Bench 9-20	NE/SE	20	118	22E	UTU-73905	2,170' FSL & 472' FEL	43-047-36275
Rock House 12-30-10-23	NE SW	30	105	23E	UTU-76281	2320 FSL & 1980 FWL	43-047-36548
Rock House 12-31-10-23	NW SW	31	108	23E	UTU-76281	1900 FSL & 460 FWL	43-047-36552
Rock House 13-30-10-23	SW SW	30	108	23E	UTU-76281	553 FSL & 573 FWL	43-047-36549
Rock House 14-31-10-23	SE SW	31	108	23E	UTU-76281	860 FSL & 1890 FWL	43-047-36553
Rock House 3-31-10-23	NE NW	31	108	23E	UTU-76281	854 FNL & 1940 FWL	43-047-36551
Rock House 5-30-10-23	SW NW	30	10\$	23E	UTU-76281	1858 FNL & 703 FWL	43-047-36547
Rock House 5-31-10-23	SW NW	31	108	23E	UTU-76281	2055 FNL & 2097 FWL	43-047-36550
Rock House 6-31-10-23	SE NW	31	108	23E	UTU-76281	2059 FNL & 2111 FWL	43-047-36554
Reckhouse #12-30	NW/SW	30	108	23E	UTU-80571	1,980' FSL & 660' FWL	43-047-36018×
Rockhouse 13C-31	SW/SW	31	108	23E	UTU-76281	135' FSL & 365' FWL	43-047-35911
Rockhouse 4D-30	NW NW	30	108	23E	UTU-76281	1,116 FNL & 1,135' FWL	43-047-35882
Rockhouse 4D-31	NW NW	31	108	23E	UTU-76281	990' FNL & 990' FWL	43-047-35807
Southman Canyon 12-3-11-24	NW/SW	3	118	24E	UTU-73918	1,950' FSL & 514' FWL	43-047-36272
Southman Canyon 12-30-10-24	NW/SW	30	108	24E	UTU-65371	2,118' FSL & 502' FWL	43-047-36238
Southman Canyon 13-30	SW/SW	30	98	24E	UTU-80571	765' FSL & 303' FWL	43-047-36018
Southman Canyon 16-31-10-24	SE/SE	31	105	24E	UTU-65371	621' FSL & 575' FEL	43-047-36270
Southman Canyon 4-30-10-24	NW/NW	30	108	24E	UTU 65371	649' FNL & 607' FWL	43-047-36237
Southman Canyon 5-19-10-24	SW/NW	19	108	24E		1,978' FNL & 855' FWL	43-047-36236
Southman Canyon 6-30	SE/NW	30	98	24E	UTU-80571	2,015' FNL & 2,581' FWL	43-047-36103

x Duplicate API -Different well name

P:\Operations\Drilling\Uinta 9/20/2005

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ

2. CDW

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has	changeu,	9/1/2005											
FROM: (Old Operator):							TO: (New Operator):						
N2525-The Houston Exploration Company		N2750-Enduring Resources, LLC											
1100 Louisiana, Suite 2000		475 17	th Street, Su	ite 1500									
Houston, TX 77002				Denve	r, CO 80202	,							
Phone: 1-(713) 830-6938				Phone: 1-(303) 350-5102								
CA	No.			Unit:									
WELL(S)													
NAME	SEC	TW	RNG	API NO	ENTITY	LEASE	WELL	WELL	ᆿ				
					NO	TYPE	TYPE	STATUS					
BONANZA 14-22-9-24	22			4304737158		Federal	GW	APD	٦				
BONANZA 13-22-9-24	22			4304737159		Federal	GW	APD	ᅱ				
BONANZA 5-22-9-24	22			4304737181		Federal	GW	APD	\dashv				
BONANZA 15-22-9-24	22	090S	240E	4304737182		Federal	GW	APD	\neg				
BONANZA 11-22-9-24	22	090S	240E	4304737183		Federal	GW	APD					
BONANZA 6-22-9-24	22	090S	240E	4304737184		Federal	GW	APD	٦				
BONANZA 9-27-9-24	27	090S	240E	4304737160		Federal	GW	APD					
BONANZA 7-27-9-24	27	090S	240E	4304737161		Federal	GW	APD	\neg				
BONANZA 1-27-9-24	27	090S	240E	4304737186	,	Federal	GW	APD	┨				
SOUTHMAN CYN 3-5	05	100S	240E	4304736107	1	Federal	GW	APD	ᅥ				
SOUTHMAN CYN 6-6	06	100S	240E	4304736108	1	Federal	GW	APD	ᅥ				
SOUTHMAN CYN 8-6	06	100S	240E	4304736109	1	Federal	GW	APD	ᅥ				
E BENCH 3-17-11-22	17			4304737162		Federal	GW	APD	7				
E BENCH 1-17-11-22	17	110S		4304737163		Federal	GW	APD	ᅥ				
E BENCH 16-17-11-22	17	110S		4304737164		Federal	GW	APD	7				
E BENCH 5-17-11-22	17			4304737187	-	Federal	GW	APD	7				
E BENCH 7-17-11-22	17			4304737188	† 	Federal	GW	APD	┪				
ASPHALT WASH 9-9-11-24	09			4304737189	 	Federal	GW	APD	1				
ASPHALT WASH 15-16-11-24	16			4304737190	†	State	GW	NEW					
					 		 	112 11	-				
							 		\dashv				
					 	 	+		4				

OPERATOR CHANGES DOCUMENTATION

Enter dat	e after	· each	listed	item	is	completed

(R649-8-10) Sundry or legal documentation was received from the FORMER operator on:
 (R649-8-10) Sundry or legal documentation was received from the NEW operator on:
 9/26/2005

3.	The new company was checked on the Department of	Commerce, Division of Corpora	tions Database on:	9/29/2005
4.	Is the new operator registered in the State of Utah:	YES Business Number:	5771233-0161	

n/a

5. If NO, the operator was contacted contacted on:

Requested 9/29/05

6a. (R649-9-2)Waste Management Plan has been received on:6b. Inspections of LA PA state/fee well sites complete on:

6c.	Reports current for Production/Disposition & Sundries on:	9/29/2005		Y
7.	Federal and Indian Lease Wells: The BLM and or the or operator change for all wells listed on Federal or Indian leases	BIA has appro	ved the merger, na BLM_not yet	nme change, BIA n/a
8.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for	or wells listed on:		not yet
9.	Federal and Indian Communization Agreements ('The BLM or BIA has approved the operator for all wells listed to	•	n/a	
10	Underground Injection Control ("UIC") The Dinject, for the enhanced/secondary recovery unit/project for the way			nsfer of Authority to
DA	ATA ENTRY:	10/11/2005		
1.	Changes entered in the Oil and Gas Database on:	10/11/2005		
2.	Changes have been entered on the Monthly Operator Change S	pread Sheet on:	10/11/200	<u>05</u>
3.	Bond information entered in RBDMS on:	10/11/2005		
4.	Fee/State wells attached to bond in RBDMS on:	10/11/2005		
5.	Injection Projects to new operator in RBDMS on:	n/a		
6.	Receipt of Acceptance of Drilling Procedures for APD/New on:		9/26/2005	
FE 1.	EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number:	UTB000173		
IN	DIAN WELL(S) BOND VERIFICATION:			
1.	Indian well(s) covered by Bond Number:	n/a		
	CE & STATE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by	by Bond Number	RLB00080	31
	The FORMER operator has requested a release of liability from the Division sent response by letter on:	neir bond on:	n/a	
	CASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been cor of their responsibility to notify all interest owners of this change of		ned by a letter from th	e Division
CC	DMMENTS:			

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	Asphalt Wash 15-16-11-24		
API number:	4304737190		
Location:	Qtr-Qtr: SWSE Section: 16	Township: 11S	Range: 24E
Company that filed original application:	The Houston Exploration Company		
Date original permit was issued:			
Company that permit was issued to:	The Houston Exploration Company		

Check one	allachuphiate	Desired Action:	
V	Transfer pe	ı for Permit to Drill to new operator	
	The undersi submitted ir owner of the	drill on the property, hereby verifies that the information as it to Drill, remains valid and does not require revision. The new to the information and procedures as stated in the application.	
	Transfer approved Application for Permi	t to Drill to new operator	
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.		

Following is a checklist of some items related to the application, which should be verified.		No
If located on private land, has the ownership changed?	†	1
If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	,	✓
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		1
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		1
Has the approved source of water for drilling changed?	T	1
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		1
Is bonding still in place, which covers this proposed well? Bond No. RLB0008031	1	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

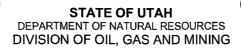
Name (please print) Alvin R. (Al) Arlian	Title Landman - Regulatory Specialist
Signature	Date 11/03/2005
Representing (company name) Enduring Resources, LLC	

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the representation for Permit to Drill.

(3/2004)

CONFIDENTIAL

NOV 0 4 2005



Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	Asphalt Wash 15-16-11-24		
API number:	4304737190		
Location:	Qtr-Qtr: SWSE Section: 16 Township: 11S Range: 24E		
Company that filed original application:	The Houston Exploration Company		
Date original permit was issued:			
Company that permit was issued to:	The Houston Exploration Company		

Check one	Desired Action:			
✓	Transfer pending (unapproved) Application for Permit to Drill to new operator			
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.			
	Transfer approved Application for Permit to Drill to new operator			
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.			

Following is a checklist of some items related to the application, which should be verified.		
If located on private land, has the ownership changed?		1
If so, has the surface agreement been updated?	<u> </u>	
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		1
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		1
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		1
Has the approved source of water for drilling changed?	<u> </u>	1
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		1
Is bonding still in place, which covers this proposed well? Bond No. RLB0008031	✓	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Alvin R. (Al) Arlian	Title Landman - Regulatory Specialist
Signature	Date 11/03/2005
Representing (company name) Enduring Resources, LLC	

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the recompany of polication for Permit to Drill.

(3/2004)

CONFIDENTIAL

NOV 0 4 2005

From:

Ed Bonner

To:

Whitney, Diana

Date:

11/7/2005 10:19:59 AM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

The Houston Exploration Company Asphalt Wash 15-16-11-24

Westport Oil & Gas Company

Bonanza 1023-2F Bonanza 1023-2L Bonanza 1023-2N Bonanza 1023-2P

XTO Energy, Inc State of Utah 17-8-3-11 State of Utah 17-8-21-41

If you have any questions regarding this matter please give me a call.

CC:

Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

November 7, 2005

Enduring Resources, LLC 475 17th Street, Suite 1500 Denver, CO 80202

Re:

Asphalt Wash 15-16-11-24 Well, 586' FSL, 2089' FEL, SW SE, Sec. 16, T. 11 South, R. 24 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37190.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

Uintah County Assessor

SITLA

Operator:	Enduring Resources, LLC	
Well Name & Number	Asphalt Wash 15-16-11-24	
API Number:	43-047-37190	
Lease:	ML47080	

Location: SW SE

Sec. 16

T. 11 South

R. 24 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 43-047-37190 November 7, 2005

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MIN	ING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47080		
SUNDRY NOTICES AND REPORTS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below curre drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL for	7. UNIT or CA AGREEMENT NAME: n/a			
1. TYPE OF WELL OIL WELL GAS WELL OTHER	GUNTUEN LIAL	8. WELL NAME and NUMBER: Asphalt Wash 11-24-34-16		
2. NAME OF OPERATOR:		9. API NUMBER: 4304737190		
Enduring Resources, LLC 3. ADDRESS OF OPERATOR:	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:		
475 17th Street, Suite 1500 CITY Denver	0202 (303) 350-5719	Undesignated		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 586' FSL - 2089' FEL		COUNTY: Uintah		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 16 11S 24	E S	STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION			
✓ NOTICE OF INTENT	DEEPEN	REPERFORATE CURRENT FORMATION		
(Submit in Duplicate) ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL		
Approximate date work will start: CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON		
10/4/2006 CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR		
CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE		
SUBSEQUENT REPORT CHANGE WELL NAME (Submit Original Form Only)	PLUG BACK	WATER DISPOSAL		
Date of work completion:	PRODUCTION (START/RESUME)	WATER SHUT-OFF		
COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	✓ OTHER: Request for APD Extension		
CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION			
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill				
FROM: 11/7/2006 TO: 11/7/2007	Approved by the Utah Division of			
TO: 11/7/2007	Utah Division of			
	Oil, Gas and Mining			
By: D-10-00 By: D-				
NAME (PLEASE PRINT) Evette Bissett	TITLE Regulatory Comp	oliance Assistant		
Grove Brose H	10/4/2006			
SIGNATURE	DATE 10/4/2000			

(This space for State use only)

OCT 1 0 2006

Application for Permit to Drill Request for Permit Extension Validation

Validation
(this form should accompany the Sundry Notice requesting permit extension)

Well Name: Location: Company Per	4304737190 Asphalt Wash 11-24-34-16 586' FSL - 2089' FEL, SW mit Issued to: Enduri Permit Issued: 11/7/20	ng Resources, LLC		
above, hereby	verifies that the information	rights to drill on the property as permitted ation as submitted in the previously valid and does not require revision.		
Following is a verified.	checklist of some items	related to the application, which should be		
	rivate land, has the owr en updated? Yes⊡No[nership changed, if so, has the surface □		
		nity of the proposed well which would affect this location? Yes □ No ☑		
	n any unit or other agre peration of this propose	ements put in place that could affect the ed well? Yes□No☑		
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑				
Has the approv	ved source of water for	drilling changed? Yes□No☑		
Have there been which will requested evaluation? Yes	ire a change in plans fi	es to the surface location or access route rom what was discussed at the onsite		
Is bonding still	in place, which covers	this proposed well? Yes ☑No ☐		
Gutte	Bissett	10/4/2006		
Signature		Date		
Title: Regulator	y Compliance Assistant	_		
Representing:	Enduring Resources, LLC			

CONFIDENTIAL

STATE OF UTAH

FORM 9

DIVISION OF OIL, GAS AND MINING			5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47080
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7. UNIT or CA AGREEMENT NAME: n/a
1. TYPE OF WELL OIL WELL			8. WELL NAME and NUMBER: Asphalt Wash 11-24-34-16
2. NAME OF OPERATOR: Enduring Resources, LLC			9. API NUMBER: 4304737190
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500	Denver STATE CO ZIP 8020	2 (303) 350-5719	10. FIELD AND POOL, OR WILDCAT: Undesignated
4. LOCATION OF WELL FOOTAGES AT SURFACE: 586' F			соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN: SWSE 16 11S 24E	S	STATE: UTAH
	ROPRIATE BOXES TO INDICATE NA		RT, OR OTHER DATA
TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS	TYPE OF ACTION DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME) RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION t details including dates, depths, volume	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER: Request for APD Extension
FROM: 10/16	/2008	Approved by the Utah Division of Oil, Gas and Mining	Application for Permit to Drill
NAME (PLEASE PRINT) Alvin (AI)	Arlian	_{тітье} Landman - Regul	atory Specialist
SIGNATURE SIGNATURE		DATE 10/12/2007	

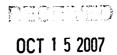
(This space for State use only)

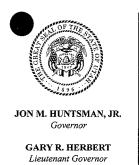
OCT 1 5 2007

Application for Permit to Drill Request for Permit Extension Validation

Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737190 Well Name: Asphalt Wash 11-24-34-16 Location: 586' FSL - 2089' FEL, SWSE, Sec 16, T11S-R24E Company Permit Issued to: Enduring Resources, LLC Date Original Permit Issued: 11/7/2005
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes □ No □
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□No☑
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☑
Has the approved source of water for drilling changed? Yes□No☑
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑
Is bonding still in place, which covers this proposed well? Yes ☑No ☐
10/12/2007
Signature Date
Title: Landman - Regulatory Specialist
Representing: Enduring Resources, LLC





State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 23, 2008

Al Arlian Enduring Resources, LLC 475 17TH Street, Suite 1500 Denver, CO 80202 43 047 37190 Asphalt Wash 15-16-11-24 115 245 16

Re: Rescind APDs

Dear Mr. Arlian:

Enclosed find the list of APDs that are being rescinded due to no drilling activity for more than the two year time frame. Therefore, approval to drill these wells is hereby rescinded, effective October 23, 2008.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject locations.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Masor

Environmental Scientist

cc: Well File

SITLA, Ed Bonner



Buck Canyon 12-21-23-16

Buck Canyon 12-21-14-16

Buck Canyon 12-21-34-16

Asphalt Wash 11-24-34-16

Asphalt Wash 11-24-21-16

Asphalt Wash 11-24-13-16

Asphalt Wash 11-24-32-16

Asphalt Wash 11-24-24-16

Asphalt Wash 11-24-11-16

Archy Bench 12-23-31-16

Bonanza 9-25-12-30

Bonanza 9-25-22-30

Bonanza 9-25-23-30

Bonanza 9-25-14-20

Southam Canyon 9-24-44-36 (FEE)

Rainbow 12-24-41-16

Rainbow 12-24-12-16

Little Pack 12-20-41-16

Little Pack 12-20-32-32